



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Macbeth et al. /

Serial No: 09/992,055 /

Filing Date: 11/14/01 /

Title: UPSTREAM/DOWNSTREAM
ARC FAULT DISCRIMINATOR

Group Art Unit: 2858 /

Examiner: Teresinski /

RESPONSE

Assistant Commissioner for Patents
Alexandria, VA 22313-1450

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Alexandria, VA 22313-1450, on May 23, 2003.

Lynn L. Pond

RESPONSE TO THE EXAMINER'S RESTRICTION REQUIREMENT

The Examiner has asserted that the application contains claims directed to patentably distinct species of the claimed invention. In response to the Election/Restriction Requirement dated April 23, 2003, designated as Paper No. 8 in the above-captioned application, the Applicant has amended the claims such that claim 1, claim 11, claim 41, and claim 42 are generic. Claims 43, 45, and 46 have been amended to depend from one of the remaining independent claims. The Examiner has advised the Applicant that the Applicant must include an identification of each of the species disclosed in the application. The Applicant provides the identification of each of the species in the Remarks Section that follows the claim amendments. Further, the Applicants provide the Examiner with an explanation of why amended claims 1, 11, 41, and 42 are generic. Please enter the following amendments and Remarks as follows:

In the Claims

Please amend claims 1, 11, 41, 42, 43, 45, and 46 as indicated below:

1. An arc fault detector for a power line system, comprising an upstream/downstream discriminator circuit, wherein said discriminator circuit detects current fluctuations in at least

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